WHAT IS CLAIMED

- 1. A system for providing electrophotographic latent images on a photoconductor element having a conductive stripe that is in contact with a photoconductor layer on one edge of the photoconductor element comprising:
- a first corona charge device positioned to charge the photoconductor layer; and a second corona charge device positioned to charge the conductive stripe with a charge that is opposite a charge provided by the first corona discharge device.
- 2. The system of claim 1 having an optical imaging system between the first corona charge device and the second charge device.
 - 3. The system of claim 1 having a charge toning device between the first corona charge device and the second corona charge device.

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- 4. The system of claim 2 having a charge toning device between the first corona charge device and the second corona charge device.
- 5. The system of claim 1 wherein the photoconductor element comprises an endless belt or a drum.
 - 6. The system of claim 2 wherein the photoconductor element comprises an endless belt or a drum.
- 7. The system of claim 3 wherein the photoconductor element comprises an endless belt or a drum.
 - 8. The system of claim 4 wherein the photoconductor element comprises an endless belt or a drum.

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A method of providing latent charge images on a photoconductor element having a photoconductive layer with a conductive stripe, the process comprising:
 charging the photoconductive layer with a charge having a particular vector to form a uniform charge on the photoconductive layer; and
 subsequently charging the conductive stripe with a charge having a vector that is opposite the vector of the charge on the photoconductive layer to lower the charge content in the photoconductive layer.

- 10. The method of claim 9 wherein a portion of the uniform charge is dissipated by exposure to radiation prior to the subsequent charging of the conductive stripe.
 - 11. The method of claim 9 wherein the photoconductor layer is toned with an electrophotographic toner prior to the subsequent charging of the conductive stripe.
 - 12. The method of claim 10 wherein the photoconductor layer is toned with an electrophotographic toner prior to the subsequent charging of the conductive stripe.
 - 13. The system of claim 1 wherein the second corona charging device is positioned between 2-10 mm from the conductive strip of the photoreceptor.

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14. The method of claim 9 further comprising:

sensing the ground strip voltage by

measuring the surface potential of the ground strip at a point downstream of the second corona charging device to provide a signal,

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sending the signal to an error amplifier,

comparing the measured surface potential with a reference surface potential to provide a resulting comparison,

sending the resulting comparison to a high voltage amplifier,

sending a charge to the second corona charging device of sufficient potential based upon the resulting comparison to alter the sensed ground strip voltage in a correct vector,

and applying positive or negative ions to the ground strip to provide a potential close to zero volts.

- 15. The system of claim 1 wherein the second corona charging device does
- 5 not include the use of a shield integral to a wire in the second corona discharge device.

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